



2687  
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PATENT  
81674-249738

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
**Hiroshi TAKATORI, et al.** )  
)  
Serial No: 10/003,330 )  
)  
Filed: March 11, 2002 )  
)  
For: *TIMING RECOVERY WITH* )  
*VARIABLE BANDWIDTH PHASE* )  
*LOCKED LOOP AND NON-LINEAR* )  
*CONTROL PATHS* )

EXAMINER: SAM K. AHN  
ART UNIT: 2637  
CONF. NO: 5276

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mail Stop Amendment  
Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450, on

October 18, 2005.  
Date of Deposit

Roger R. Wise  
Name

Roger R. Wise  
Signature

10/18/2005  
Date

AMENDMENT

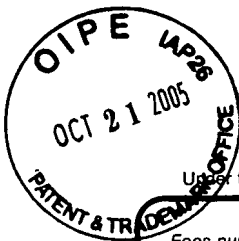
Mail Stop Amendment  
Hon. Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated June 29, 2005, the due date for response to which is October 31, 2005, the first business day following Saturday, October 29, 2005, by virtue of the accompanying Petition for Extension of Time, in connection with the above-identified application, please enter and consider the following amendment and remarks.

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PTO/SB/17 (12-04)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act. 2005 (H.R. 4818).

# FEE TRANSMITTAL for FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 0

## Complete if Known

Application Number	10/003,330
Filing Date	October 31, 2001
First Named Inventor	Hiroshi Takatori, et al
Examiner Name	Sam K. Ahn
Art Unit	2637
Attorney Docket No.	081674-0249738

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):

☒ Deposit Account      Deposit Account Number: 161805      Deposit Account Name: PILLSBURY WINTHROP SHAW PITTMAN LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below      ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fees(s) under 37 CFR 1.16 and 1.17      ☒ Credit any overpayments

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## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fee Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent  
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent  
Multiple dependent claims

	Small Entity Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims 32\*\*      Extra Claims      Fee (\$)  
27      -20 or HP = 5      X      =      Fee Paid (\$)  
HP = highest number of total claims paid for, if greater than 20

Multiple Dependent Claims  
Fee (\$)  
Fee Paid (\$)

Indep. Claims      Extra Claims      Fee (\$)  
4      -4\*\* or HP = 0      X      =      Fee Paid (\$)  
HP = highest number of independent claims paid for, if greater than 3

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets      Extra Sheets      Number of each additional 50 or fraction thereof      Fee (\$)  
- 100 =      /50 =      (round up to a whole number) x      250.00 =      Fee Paid (\$)

### 4. OTHER FEE(S)

Non-English Specification,      130 fee (no small entity discount)

Other:

#### SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	31,204	Telephone	213488-7584
Name (Print/Type)	Roger R. Wyse	Date	October 18, 2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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